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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/552,272 04/19/00 FANG

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EXAMINER

022469 HM22/0703
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LARSON, T	
ART UNIT	PAPER NUMBER

1635

DATE MAILED:

07/03/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Please see attachments.

Art Unit: 1635

1. This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 CFR 1.821 through 1.825 for the reason(s) set forth on the attached Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures. Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

Specifically, SEQ. ID. NOS. are missing for the sequences disclosed in Figures 12, 14A-F, 15A, 16A, and 17B. It is suggested that the SEQ. ID. NOS. for the sequences disclosed in these figures be inserted into the brief descriptions for these figures to avoid having to change the figures themselves. SEQ. ID. NOS. are also missing for specifically claimed sequences. Even though the sequences themselves are not specifically recited in the claims, they are recited by naming the gene and the location of the claimed sequence within the gene. Using the name of the gene combined with sequence positions in the gene or transcript is merely a short-hand equivalent to reciting the entire sequence. In order to effectively search the claimed sequences, SEQ. ID. NOS. are required. Instances of sequences claimed are found in claim 3 (5'-UTR of *cspA*, *cspB*, and *csdA*), claim 5 (+1 to +11 of *cspA* 5' UTR), claim 10 (+56 to +117 of *cspA* 5' UTR), claim 13 (*cspA*, *cspB*, and *csdA*), and claim 14 (+123 to +135 of *cspA* 5' UTR). It is noted that if specific sequences are

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absent from the sequence list, but are subsequences of sequences that appear in the sequence list, the following format may be used to identify the sequence:

(nucleotides X to Y of SEQ. ID. NO: Z). See MPEP 2422.03.

Applicant is given ONE MONTH from the mailing date of this communication within which to comply with the sequence rules, 37 CFR 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). Direct the reply to the undersigned. Applicant is requested to return a copy of the attached Notice to Comply with the reply.

2. Certain papers related to this application may be submitted to Art Unit 1635 by facsimile transmission. The FAX numbers are (703) 308-4242 and (703) 308-3014. The faxing of such papers must conform with the notices published in the Official Gazette, 1156 OG 61 (November 16, 1993) and 1157 OG 94 (December 28, 1993) (see 37 CFR 1.6(d)). NOTE: If applicant does submit a paper by FAX, the original copy should be retained by the applicant or applicant's representative. NO DUPLICATE COPIES SHOULD BE SUBMITTED, so as to avoid the processing of duplicate papers in the Office.

Unofficial papers, such as draft responses, may be transmitted to the examiner directly at (703) 305-7939. It is recommended that the examiner be notified when a fax is sent to this number.

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Any inquiry concerning this communication or earlier communications should be directed to Thom Larson, whose telephone number is (703) 308-7309. The examiner normally can be reached Monday through Friday from 9:00 AM to 5:30 PM, EST. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John LeGuyader, can be reached at (703) 308-0447.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist, whose telephone number is (703) 308-0196.

Thomas G. Larson, Ph.D.
Examiner



ANDREW WANG
PRIMARY EXAMINER